110TH CONGRESS
2D SESSION

# H. R. _____

To amend the Public Health Service Act to promote the adoption of health information technology, and for other purposes

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IN THE HOUSE OF REPRESENTATIVES

M__. _____ introduced the following bill; which was referred to the Committee on _____

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# A BILL

To amend the Public Health Service Act to promote the adoption of health information technology, and for other purposes

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,*

**SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

(a) SHORT TITLE.—This Act may be cited as the ''**[***to be provided* of 2008**]**''.

(b) TABLE OF CONTENTS.—The table of contents of this Act is as follows:

# TITLE I—HEALTH INFORMATION TECHNOLOGY

## Subtitle A—Promotion of Health Information Technology

### PART 1—IMPROVING HEALTH CARE QUALITY, SAFETY, AND EFFICIENCY

#### SEC. 101. ONCHIT; STANDARDS DEVELOPMENT AND ADOPTION; HEALTH INFORMATION TECHNOLOGY RESOURCE CENTER.

(a) IN GENERAL.—The Public Health Service Act (42 U.S.C. 201 et seq.) is amended by adding at the end the following:

# "TITLE XXX—HEALTH INFORMATION TECHNOLOGY AND QUALITY

**"SEC. 3000. DEFINITIONS.**

''In this title:

''(1) ENTERPRISE INTEGRATION.—The term 'enterprise integration' means the electronic linkage of health care providers, health insurance plans, the government, and other interested parties, to enable the electronic exchange and use of health information among all the components in the health care infrastructure, and such term includes related application protocols and other related standards.

''(2) HEALTH CARE PROVIDER.—The term 'health care provider' means a hospital, skilled nursing facility, home health entity, health care clinic, Federally qualified health center, group practice (as defined in section 1877(h)(4) of the Social Security Act), a pharmacist, a pharmacy, a laboratory, a physician (as defined in section 1861(r) of the Social Security Act), a practitioner (as described in section 1842(b)(18)(C) of the Social Security Act), a provider operated by, or under contract with, the Indian Health Service or by an Indian tribe (as defined in the Indian Self-Determination and Education Assist-

ance Act), tribal organization, or urban Indian organization (as defined in section 4 of the Indian Health Care Improvement Act)), a rural health clinic, and any other category of facility or clinician determined appropriate by the Secretary.

''(3) HEALTH INFORMATION.—The term 'health information' has the meaning given such term in section 1171(4) of the Social Security Act.

''(4) HEALTH INFORMATION TECHNOLOGY.—The term 'health information technology' means hardware, software, license, right, intellectual property, equipment, or other information technology (including new versions, upgrades, and connectivity) designed or provided primarily for the electronic creation, maintenance, or exchange of health information to better coordinate care or improve health care quality, efficiency, or research.

''(5) HEALTH INSURANCE PLAN.—The term 'health insurance plan' means—

''(A) a health insurance issuer (as defined in section 2791(b)(2)), including a a health maintenance organization (as defined in section 2791(b)(3)); and

''(B) a group health plan (as defined in section 2791(a)(1)).

''(6) HIT POLICY COMMITTEE.—The term 'HIT Policy Committee' means such Committee established under section 3002(a).

''(7) HIT STANDARDS COMMITTEE.—The term 'HIT Standards Committee' means such Committee established under section 3003(a).

''(8) INDIVIDUALLY IDENTIFIABLE HEALTH INFORMATION.—The term 'individually identifiable health information' has the meaning given such term in section 1171(6) of the Social Security Act.

''(9) LABORATORY.—The term 'laboratory' has the meaning given that term in section 353(a).

''(10) NATIONAL COORDINATOR.—The term 'National Coordinator' means the head of the Office of the National Coordinator for Health Information Technology established under section 3001(a).

''(11) PHARMACIST.—The term 'pharmacist' has the meaning given that term in section 804(2) of the Federal Food, Drug, and Cosmetic Act.

''(12) STATE.—The term 'State' means each of the several States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

# "Subtitle A—Promotion of Health Information Technology

### "SEC. 3001. OFFICE OF THE NATIONAL COORDINATOR FOR HEALTH INFORMATION TECHNOLOGY.

''(a) ESTABLISHMENT.—There is established within the Department of Health and Human Services an Office of the National Coordinator for Health Information Technology (referred to in this section as the 'Office'). The Office shall be headed by a National Coordinator who shall be appointed by the Secretary and shall report directly to the Secretary.

''(b) PURPOSE.—The National Coordinator shall perform the duties under subsection (c) in a manner consistent with the development of a nationwide interoperable health information technology infrastructure that—

''(1) ensures that each patient's health information is secure and protected, in accordance with applicable law;

''(2) improves health care quality, reduces medical errors, and advances the delivery of patient-centered medical care;

''(3) reduces health care costs resulting from inefficiency, medical errors, inappropriate care, duplicative care, and incomplete information;

''(4) ensures that appropriate information to help guide medical decisions is available at the time and place of care;

''(5) improves the coordination of care and information among hospitals, laboratories, physician offices, and other entities through an effective infrastructure for the secure and authorized exchange of health care information;

''(6) improves public health reporting and facilitates the early identification and rapid response to public health threats and emergencies, including bioterror events and infectious disease outbreaks;

''(7) facilitates health research and health care quality;

''(8) promotes prevention of chronic diseases; and

''(9) promotes a more effective marketplace, greater competition, greater systems analysis, increased consumer choice, and improved outcomes in health care services.

''(c) DUTIES OF THE NATIONAL COORDINATOR.—

''(1) STANDARDS.—The National Coordinator shall review and determine whether to endorse each standard, implementation specification, and certification criterion for the electronic exchange and use

of health information that is recommended by the HIT Standards Committee under section 3003 for purposes of adoption under section 3004(b). The Coordinator shall make such determination, and report to the Secretary such determination, not later than 90 days after the date the recommendation is received by the Coordinator.

''(2) HIT POLICY COORDINATION.—The National Coordinator shall coordinate health information technology policy and programs of the Department with those of other relevant executive branch agencies with a goal of avoiding duplication of efforts and of helping to ensure that each agency undertakes health information technology activities primarily within the areas of its greatest expertise and technical capability.

''(3) STRATEGIC PLAN.—

''(A) IN GENERAL.—The National Coordinator shall, in consultation with other appropriate Federal agencies (including the National Institute of Standards and Technology), develop and update a strategic plan with specific objectives, milestones, and metrics for the following:

''(i) The electronic exchange and use of health information and the enterprise integration of such information.

''(ii) The utilization of an electronic health record for each person in the United States by 2014.

''(iii) The incorporation of privacy considerations in the electronic exchange and use of health information.

''(iv) Ensuring security methods to ensure appropriate authorization, electronic authentication, and encryption of health information.

''(v) Specifying a framework for coordination and flow of recommendations and policies under this subtitle among the Secretary, the National Coordinator, the HIT Policy Committee, the HIT Standards Committee, and other health information exchanges and other relevant entities.

''(vi) Methods to foster the public understanding of health information technology.

''(vii) Strategies to enhance the use of health information technology in improving

the quality of health care and reducing medical errors.

"(B) COLLABORATION.—The strategic plan shall be developed and updated through collaboration of public and private interests.

"(C) MEASURABLE OUTCOME GOALS.—The strategic plan shall include measurable outcome goals.

"(D) PUBLICATION.—The National Coordinator shall publish the strategic plan, including all updates.

"(4) WEBSITE.—The National Coordinator shall maintain and frequently update an Internet website on which there is posted information that includes the following:

"(A) The schedule developed by the HIT Standards Committee under section 3003(b)(3).

"(B) The recommendations of the HIT Policy Committee under section 3002.

"(C) Recommendations of the HIT Standards Committee under section 3003.

"(D) Sources of grant funds and technical assistance that are available to facilitate the purchase of, or enhance the utilization of, health information technology systems.

''(5) IMPLEMENTATION REPORT.—The National Coordinator shall prepare a report that identifies lessons learned from major public and private health care systems in their implementation of health information technology systems, including information on whether the systems and practices developed by such systems may be applicable to and usable in whole or in part by other health care providers.

''(6) ASSESSMENT OF IMPACT OF HIT ON COMMUNITIES WITH HEALTH DISPARITIES AND UNINSURED, UNDERINSURED, AND MEDICALLY UNDERSERVED AREAS.—The National Coordinator shall assess and publish the impact of health information technology in communities with health disparities and in areas that serve uninsured, underinsured, and medically underserved individuals (including urban and rural areas) and identify practices to increase the adoption of such technology by health care providers in such communities.

''(7) EVALUATION OF BENEFITS AND COSTS OF INTEROPERABILITY.—The National Coordinator shall evaluate and publish evidence on the benefits and costs of interoperable health information technology and assess to whom these benefits and costs accrue.

''(8) RESOURCE REQUIREMENTS.—The National Coordinator shall estimate and publish resources required annually to reach the goal of utilization of an electronic health record for each person in the United States by 2014, including the required level of Federal funding, expectations for regional, State, and private investment, and the expected contributions by volunteers to activities for the utilization of such records.

''(9) CERTIFICATION.—

''(A) IN GENERAL.—The National Coordinator, in consultation with the Director of the National Institute of Standards and Technology, shall develop a program (either directly or by contract) for the voluntary certification of health information technology as being in compliance with applicable certification criteria adopted under this subtitle. Such program shall include testing of the technology in accordance with section 201(b) of **[***short title***]**.

''(B) CERTIFICATION CRITERIA DESCRIBED.—In this title, the term 'certification criteria' means, with respect to standards and implementation specifications for health information technology, criteria to establish that the

technology meets such standards and implementation specifications.

''(d) DETAIL OF FEDERAL EMPLOYEES.—

''(1) IN GENERAL.—Upon the request of the National Coordinator, the head of any Federal agency is authorized to detail, with or without reimbursement from the Office, any of the personnel of such agency to the Office to assist it in carrying out its duties under this section.

''(2) EFFECT OF DETAIL.—Any detail of personnel under paragraph (1) shall—

''(A) not interrupt or otherwise affect the civil service status or privileges of the Federal employee; and

''(B) be in addition to any other staff of the Department employed by the National Coordinator.

''(3) ACCEPTANCE OF DETAILEES.—Notwithstanding any other provision of law, the Office may accept detailed personnel from other Federal agencies without regard to whether the agency described under paragraph (1) is reimbursed.

''(e) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to carry out this section

such sums as may be necessary for each of the fiscal years 2009 through 2013.

**"SEC. 3002. HIT POLICY COMMITTEE.**

"(a) ESTABLISHMENT.—There is established a HIT Policy Committee to make policy recommendations to the National Coordinator relating to the implementation of a nationwide health information technology infrastructure, including implementation of the strategic plan described in section 3001(c)(3).

"(b) DUTIES.—

"(1) RECOMMENDATIONS ON HEALTH INFORMATION TECHNOLOGY INFRASTRUCTURE.—Not later than 1 year after the date of the enactment of this title, the HIT Policy Committee shall recommend a policy framework for the development and adoption of a nationwide health information technology infrastructure that permits the electronic exchange and use of health information as is consistent with the strategic plan under section 3001(c)(3) and that includes the recommendations under paragraph (2). Annually thereafter the Committee shall update such recommendations and make new recommendations as appropriate.

"(2) SPECIFIC AREAS OF STANDARD DEVELOPMENT.—

"(A) IN GENERAL.—The HIT Policy Committee shall recommend the areas in which standards, implementation specifications, and certification criteria are needed for the electronic exchange and use of health information for purposes of adoption under section 3004(b) and shall recommend an order of priority for the development of such standards, specifications, and criteria among the areas so recommended. Such standards and implementation specifications shall include named standards, architectures, and software schemes for the authentication and security of health information and other information as needed to ensure the reproducible development of common solutions across disparate entities.

"(B) AREAS REQUIRED FOR CONSIDERATION.—In making recommendations under subparagraph (A), the HIT Policy Committee shall consider at least the following areas:

"(i) Technologies that protect the privacy of health information and promote security, in accordance with applicable law, including for the protection from disclosure of specific individually identifiable health

information, as requested by a patient and agreed to by the provider involved, and for the use and disclosure of limited data sets (as defined for purposes of regulations promulgated under section 264(c) of the Health Insurance Portability and Accountability Act of 1996) of such information.

''(ii) A nationwide interoperable health information technology infrastructure that permits the electronic exchange and use of health information.

''(iii) The utilization of an electronic health record for each person in the United States by 2014.

''(C) OTHER AREAS FOR CONSIDERATION.—In making recommendations under subparagraph (A), the HIT Policy Committee may consider the following additional areas:

''(i) The appropriate uses of a nationwide health information infrastructure, including for purposes of—

''(I) the collection of quality data and public reporting;

''(II) biosurveillance and public health;

"(III) medical and clinical research; and

"(IV) drug safety.

"(ii) Self-service technologies that facilitate the use and exchange of patient information and reduce wait times.

"(iii) Telemedicine technologies, in order to reduce travel requirements for patients in remote areas.

"(iv) Technologies that facilitate home health care and the monitoring of patients recuperating at home.

"(v) Technologies that help reduce medical errors.

"(vi) Technologies that facilitate the continuity of care among health settings.

"(vii) Any other technology that the HIT Policy Committee finds to be among the technologies with the greatest potential to improve the quality and efficiency of health care.

"(3) FORUM.—The HIT Policy Committee shall serve as a forum for broad stakeholder input with specific expertise in policies relating to the matters described in paragraphs (1) and (2).

''(4) WEBSITE.—The HIT Policy Committee shall develop and maintain an Internet website on which there is posted information that includes the following:

''(A) Established governance rules.

''(B) A business plan.

''(C) Meeting notices at least 14 days prior to each meeting.

''(D) Meeting agendas at least 7 days prior to each meeting.

''(E) Meeting materials at least 3 days prior to each meeting.

''(c) MEMBERSHIP.—

''(1) IN GENERAL.—The HIT Policy Committee shall be composed of members to be appointed as follows:

''(A) 3 members shall be appointed by the Secretary, 1 of whom shall be appointed to represent the Department of Health and Human Services.

''(B) 1 member shall be appointed by the majority leader of the Senate.

''(C) 1 member shall be appointed by the minority leader of the Senate.

"(D) 1 member shall be appointed by the Speaker of the House of Representatives.

"(E) 1 member shall be appointed by the minority leader of the House of Representatives.

"(F) Such other members as shall be appointed by the President as representatives of other relevant Federal agencies.

"(G) 9 members shall be appointed by the Comptroller General of the United States of whom—

"(i) 1 member shall be an advocate for patients or consumers;

"(ii) 1 member shall represent health care providers;

"(iii) 1 member shall be from a labor organization representing health care workers;

"(iv) 1 member shall have expertise in privacy and security;

"(v) 1 member shall have expertise in improving the health of vulnerable populations;

"(vi) 1 member shall represent health plans or other third-party payers;

"(vii) 1 member shall represent information technology vendors;

"(viii) 1 member shall represent purchasers or employers; and

"(ix) 1 member shall have expertise in health care quality measurement and reporting.

"(2) NATIONAL COORDINATOR.—The National Coordinator shall be a member of the HIT Policy Committee and act as a liaison among the HIT Policy Committee, the HIT Standards Committee, and the Federal Government.

"(3) CHAIRPERSON AND VICE CHAIRPERSON.—The HIT Policy Committee shall designate 1 member to serve as the chairperson and 1 member to serve as the vice chairperson of the HIT Policy Committee.

"(4) PARTICIPATION.—The members of the HIT Policy Committee appointed under paragraph (1) shall represent a balance among various sectors of the health care system so that no single sector unduly influences the recommendations of such Committee.

"(5) TERMS.—

"(A) IN GENERAL.—The terms of members of the HIT Policy Committee appointed under paragraph (1) shall be 3 years except that the Comptroller General of the United States shall designate staggered terms for the members first appointed under paragraph (1)(G).

"(B) VACANCIES.—Any member appointed to fill a vacancy in the membership of the HIT Policy Committee that occurs prior to the expiration of the term for which the member's predecessor was appointed shall be appointed only for the remainder of that term. A member may serve after the expiration of that member's term until a successor has been appointed. A vacancy in the HIT Policy Committee shall be filled in the manner in which the original appointment was made.

"(6) OUTSIDE INVOLVEMENT.—The HIT Policy Committee shall ensure an adequate opportunity for the participation of outside advisors, including individuals with expertise in the development of policies for the electronic exchange and use of health information, including in the areas of health information privacy and security.

''(7) QUORUM.—Ten members of the HIT Policy Committee shall constitute a quorum for purposes of voting, but a lesser number of members may meet and hold hearings.

''(d) APPLICATION OF FACA.—The Federal Advisory Committee Act (5 U.S.C. App.), other than section 14 of such Act, shall apply to the HIT Policy Committee.

''(e) PUBLICATION.—The Secretary shall provide for publication in the Federal Register and the posting on the Internet website of the Office of the National Coordinator for Health Information Technology of all policy recommendations made by the HIT Policy Committee under this section.

''(f) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to carry out this section, such sums as may be necessary for each of the fiscal years 2009 through 2013.

**''SEC. 3003. HIT STANDARDS COMMITTEE.**

''(a) ESTABLISHMENT.—There is established a committee to be known as the HIT Standards Committee to recommend to the National Coordinator standards, implementation specifications, and certification criteria for the electronic exchange and use of health information for purposes of adoption under section 3004(b), consistent with

the implementation of the strategic plan described in section 3001(c)(3).

''(b) DUTIES.—

''(1) STANDARD DEVELOPMENT.—

''(A) IN GENERAL.—Beginning not later than 1 year after the date of the enactment of this title, the HIT Standards Committee shall develop and recommend to the National Coordinator standards, implementation specifications, and certification criteria described in subsection (a). Annually thereafter the Committee shall update such recommendations and make new recommendations as appropriate, including in response to a notification sent under section 3004(b)(2). Such recommendations shall be consistent with the latest recommendations made by the HIT Policy Committee.

''(B) PILOT TESTING OF STANDARDS AND IMPLEMENTATION SPECIFICATIONS.—In the development of standards and implementation specifications, the HIT Standards Committee, as appropriate, shall provide for the testing of such standards and specifications by the National Institute for Standards and Technology under title II of the **[***short title***]**.

"(C) CONSISTENCY.—The standards, implementation specifications, and certification criteria described in this subsection shall be consistent with the standards for information transactions and data elements adopted pursuant to section 1173 of the Social Security Act.

"(2) FORUM.—The HIT Standards Committee shall serve as a forum for the participation of a broad range of stakeholders to provide input on the development of standards, implementation specifications, and certification criteria necessary for the development and adoption of a nationwide interoperable health information technology infrastructure.

"(3) SCHEDULE.—Not later than 90 days after the date of the enactment of this title, the HIT Standards Committee shall develop a schedule for the assessment of policy recommendations developed by the HIT Policy Committee under section 3002. The HIT Standards Committee shall update such schedule annually. The Secretary shall publish such schedule in the Federal Register.

"(4) PUBLIC INPUT.—The HIT Standards Committee shall conduct open public meetings and develop a process to allow for public comment on the schedule described in paragraph (3) and rec-

ommendations described in this subsection. Such process shall ensure that such comments will be submitted within 30 days after the date of publication of a recommendation under this subsection.

''(5) WEBSITE.—The HIT Standards Committee shall develop and maintain an Internet website on which there is posted information that includes the following:

''(A) Established governance rules.

''(B) A business plan.

''(C) Meeting notices at least 14 days prior to each meeting.

''(D) Meeting agendas at least 7 days prior to each meeting.

''(E) Meeting materials at least 3 days prior to each meeting.

''(6) REQUIREMENT TO INTEGRATE RECOMMENDATIONS.—In carrying out the activities under this section, the HIT Standards Committee shall integrate the recommendations of the HIT Policy Committee.

''(c) MEMBERSHIP.—

''(1) APPOINTMENTS.—

"(A) IN GENERAL.—The HIT Standards Committee shall be composed of members to be appointed as follows:

"(i) 2 members shall be appointed by the Secretary.

"(ii) 1 member shall be appointed by the majority leader of the Senate.

"(iii) 1 member shall be appointed by the minority leader of the Senate.

"(iv) 1 member shall be appointed by the Speaker of the House of Representatives.

"(v) 1 member shall be appointed by the minority leader of the House of Representatives.

"(vi) 7 members shall be appointed by the Comptroller General of the United States of whom—

"(I) 1 member shall be a representative of consumer or patient organizations;

"(II) 1 member shall be a representative of organizations with expertise in privacy;

"(III) 1 member shall be a representative of organizations with expertise in security;

"(IV) 1 member shall be a representative of health care providers;

"(V) 1 member shall be a representative of health plans or other third party payers;

"(VI) 1 member shall be a representative of information technology vendors; and

"(VII) 1 member shall be a representative of purchasers or employers.

"(vii) 1 member shall be from the National Institute for Standards and Technology.

"(B) NATIONAL COORDINATOR.—The National Coordinator shall be a member of the HIT Standards Committee and act as a liaison among the HIT Standards Committee, the HIT Policy Committee, and the Federal government.

"(2) CHAIRPERSON AND VICE CHAIRPERSON.—The HIT Standards Committee shall designate 1

member to serve as the chairperson and 1 member to serve as the vice chairperson of the Committee.

''(3) BALANCE.—In appointing members under paragraph (1)(A)(vi), the Comptroller General of the United States shall ensure a balance among various sectors of the health care system so that no single sector unduly influences the recommendations of the HIT Standards Committee.

''(4) TERMS.—Members appointed under paragraph (1)(A) shall serve for 3-year terms, except that any member appointed to fill a vacancy for an unexpired term shall be appointed for the remainder of such term. A member may serve for not to exceed 180 days after the expiration of such member's term or until a successor has been appointed.

''(5) OUTSIDE INVOLVEMENT.—The HIT Standards Committee shall ensure an adequate opportunity for the participation of outside advisors, including individuals with expertise in the development of standards for the electronic exchange and use of health information, including in the areas of health information privacy and security.

''(d) APPLICATION OF FACA.—The Federal Advisory Committee Act (5 U.S.C. App.), other than section 14, shall apply to the HIT Standards Committee.

''(e) PUBLICATION.—The Secretary shall provide for publication in the Federal Register and the posting on the Internet website of the Office of the National Coordinator for Health Information Technology of all recommendations made by the HIT Standards Committee under this section.

''(f) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to carry out this section such sums as may be necessary for each of the fiscal years 2009 through 2013.

**''SEC. 3004. PROCESS FOR ADOPTION OF ENDORSED RECOMMENDATIONS.**

''(a) REVIEW OF ENDORSED STANDARDS, SPECIFICATIONS, AND CRITERIA.—Not later than 90 days after the date of receipt of a standard, implementation specification, or certification criterion endorsed under section 3001(c), the Secretary, in consultation with representatives of other relevant Federal agencies, shall jointly review such standard, specification, or criterion and shall determine whether or not to propose adoption of such standard, specification, or criterion.

''(b) DETERMINATION TO ADOPT STANDARDS, SPECIFICATIONS, AND CRITERIA.—If the Secretary determines—

''(1) to propose adoption of such standard, specification, or criterion, the Secretary shall, through a rulemaking process, determine whether or not to adopt such standard, specification, or criterion; or

''(2) not to propose adoption of such standard, specification, or criterion, the Secretary shall notify the National Coordinator and the HIT Standards Committee in writing of such determination and the reasons for not endorsing such recommendation.

''(c) PUBLICATION.—The Secretary shall provide for publication in the Federal Register of all determinations made by the Secretary under subsection (a).

**''SEC. 3005. APPLICATION AND USE OF ADOPTED STANDARDS AND IMPLEMENTATION SPECIFICATIONS BY FEDERAL AGENCIES.**

''For requirements relating to the application and use by Federal agencies of the standards and implementation specifications adopted under section 3004(b), see section 111 of the **[***short title***]**.

**''SEC. 3006. VOLUNTARY APPLICATION AND USE OF ADOPTED STANDARDS AND IMPLEMENTATION SPECIFICATIONS BY PRIVATE ENTITIES.**

''(a) IN GENERAL.—Except as provided under section 112 of the **[***short title***]**, any standard or implementation

specification adopted under section 3004(b) shall be voluntary with respect to private entities.

''(b) RULE OF CONSTRUCTION.—Nothing in this subtitle shall be construed to require that a private entity that enters into a contract with the Federal Government apply or use the standards and implementation specifications adopted under section 3004(b) with respect to activities not related to the contract.

**''SEC. 3007. HEALTH INFORMATION TECHNOLOGY RESOURCE CENTER.**

''(a) DEVELOPMENT.—

''(1) IN GENERAL.—The National Coordinator shall develop a Health Information Technology Resource Center to provide technical assistance and develop best practices to support and accelerate efforts to adopt, implement, and effectively use interoperable health information technology in compliance with standards, implementation specifications, and certification criteria adopted under section 3004(b).

''(2) PURPOSES.—The purpose of the Center is to—

''(A) provide a forum for the exchange of knowledge and experience;

''(B) accelerate the transfer of lessons learned from existing public and private sector

initiatives, including those currently receiving Federal financial support;

''(C) assemble, analyze, and widely disseminate evidence and experience related to the adoption, implementation, and effective use of interoperable health information technology;

''(D) provide technical assistance for the establishment and evaluation of regional and local health information networks to facilitate the development of interoperability across health care settings and improve the quality of health care;

''(E) provide technical assistance for the development and dissemination of solutions to barriers to the exchange of electronic health information; and

''(F) conduct other activities identified by the States, local or regional health information networks, or health care stakeholders as a focus for developing and sharing best practices.

''(b) TECHNICAL ASSISTANCE TELEPHONE NUMBER OR WEBSITE.—The National Coordinator shall establish a toll-free telephone number or Internet website to provide health care providers and patients with a single point of contact to—

''(1) learn about Federal grants and technical assistance services related to interoperable health information technology;

''(2) learn about standards, implementation specifications, and certification criteria adopted under section 3004(b);

''(3) learn about regional and local health information networks for assistance with health information technology; and

''(4) disseminate additional information determined by the National Coordinator.

''(c) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated, such sums as may be necessary for each of the fiscal years 2009 and 2010 to carry out this section.''.

**SEC. 102. TRANSITIONS.**

(a) ONCHIT.—To the extent consistent with section 3001 of the Public Health Service Act, as added by section 101, all functions, personnel, assets, liabilities, and administrative actions applicable to the National Coordinator for Health Information Technology appointed under Executive Order 13335 or the Office of such National Coordinator on the date before the date of the enactment of this Act shall be transferred to the National Coordinator appointed under section 3001(a) of such Act and the Office

of such National Coordinator as of the date of the enactment of this Act.

(b) AHIC.—

(1) To the extent consistent with sections 3002 and 3003 of the Public Health Service Act, as added by section 101, all functions, personnel, assets, and liabilities applicable to the American Health Information Community created in response to Executive Order 13335 as of the day before the date of the enactment of this Act shall be transferred to the HIT Policy Committee or the HIT Standards Committee, established under section 3002(a) or 3003(a) of such Act, as appropriate, as of the date of the enactment of this Act.

(2) In carrying out section 3003(b)(1)(A) of the Public Health Service Act, as so added, until recommendations are made by the HIT Policy Committee, recommendations of the HIT Standards Committee shall be consistent with the most recent recommendations made by the American Health Information Community.

(c) RULES OF CONSTRUCTION.—

(1) ONCHIT.—Nothing in section 3001 of the Public Health Service Act, as added by section 101, or subsection (a) shall be construed as requiring the

creation of a new entity to the extent that the Office of the National Coordinator for Health Information Technology established pursuant to Executive Order 13335 is consistent with the provisions of such section 3001.

(2) AHIC.—Nothing in sections 3002 or 3003 of the Public Health Service Act, as added by section 101, or subsection (b) shall be construed as requiring the creation of a new entity to the extent that the American Health Information Community created in response to Executive Order 13335 is consistent with the provisions of such sections 3002 and 3003.

## PART 2—APPLICATION AND USE OF ADOPTED HEALTH INFORMATION TECHNOLOGY STANDARDS; REPORTS

### SEC. 111. COORDINATION OF FEDERAL ACTIVITIES WITH ADOPTED STANDARDS AND IMPLEMENTATION SPECIFICATIONS.

(a) SPENDING ON HEALTH INFORMATION TECHNOLOGY SYSTEMS.—As each agency (as defined in the Executive Order issued on August 22, 2006, relating to promoting quality and efficient health care in Federal government administered or sponsored health care programs) implements, acquires, or upgrades health information tech-

nology systems used for the direct exchange of individually identifiable health information between agencies and with non-Federal entities, it shall utilize, where available, health information technology systems and products that meet standards and implementation specifications adopted under section 3004(b) of the Public Health Service Act, as added by section 101.

(b) FEDERAL INFORMATION COLLECTION ACTIVITIES.—With respect to a standard or implementation specification adopted under section 3004(b) of the Public Health Service Act, as added by section 101, the President shall take measures to ensure that Federal activities involving the broad collection and submission of health information are consistent with such standard or specification, respectively, within three years after the date of such adoption.

(c) APPLICATION OF DEFINITIONS.—The definitions contained in section 3000 of the Public Health Service Act, as added by section 101, shall apply for purposes of this part.

**SEC. 112. APPLICATION TO PRIVATE ENTITIES.**

Private entities that enter into a contract with the Federal Government to carry out health activities of the Federal Government shall adopt the standards and implementation specifications adopted under section 3004(b) of

the Public Health Service Act, as added by section 101, for the purpose of such activities.

**SEC. 113. REPORTS.**

(a) IN GENERAL.—The Secretary of Health and Human Services shall submit to the Committee on Health, Education, Labor, and Pensions and the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Energy and Commerce and the Committee on Science and Technology of the House of Representatives, on an annual basis, a report that—

(1) describes the specific actions that have been taken by the Federal Government and private entities to facilitate the adoption of an interoperable nationwide system for the electronic exchange of health information;

(2) describes barriers to the adoption of such a nationwide system; and

(3) contains recommendations to achieve full implementation of such a nationwide system.

(b) REIMBURSEMENT INCENTIVE STUDY.—The Secretary of Health and Human Services shall carry out, or contract with a private entity to carry out, a study that examines methods to create efficient reimbursement incentives for improving health care quality in Federally qualified health centers, rural health clinics, and free clinics.

# Subtitle B—Incentives for the Use of Health Information Technology

**SEC. 121. GRANT, LOAN, AND DEMONSTRATION PROGRAMS.**

Title XXX of the Public Health Service Act, as added by section 101, is amended by adding at the end the following new subtitle:

# "Subtitle B—Incentives for the Use of Health Information Technology

**"SEC. 3011. GRANTS AND LOANS TO FACILITATE THE WIDESPREAD ADOPTION OF QUALIFIED HEALTH INFORMATION TECHNOLOGY.**

"(a) COMPETITIVE GRANTS TO FACILITATE THE WIDESPREAD ADOPTION OF HEALTH INFORMATION TECHNOLOGY.—

"(1) IN GENERAL.—The National Coordinator may award competitive grants to eligible entities to purchase qualified health information technology.

"(2) QUALIFIED HEALTH INFORMATION TECHNOLOGY.—For purposes of this section, the term 'qualified health information technology' means health information technology that consists of hardware, software, or the provision of support services and that—

"(A) enables the protection of health information, in accordance with applicable law;

''(B) is (or is necessary for the operation of) an electronic health records system, including the provision of decision support, and physician order entry for medications;

''(C) has the ability to allow timely and permissible access to patient information and to transmit and exchange health information among providers, patients, or insurers; and

''(D) is certified under subtitle A to be in compliance with any applicable standards and implementation specifications adopted under section 3004(b).

''(3) ELIGIBILITY.—To be eligible to receive a grant under paragraph (1) an entity shall—

''(A) submit to the National Coordinator an application at such time and in such manner as the National Coordinator may require, and containing—

''(i) a plan on how the entity intends to maintain and support the qualified health information technology that would be purchased with amounts under such grant, including the type of resources expected to be involved; and

"(ii) any such other information as the National Coordinator may require;

"(B) submit to the National Coordinator a strategic plan for the electronic exchange and use of health information;

"(C) be—

"(i) a not for profit hospital or a Federally qualified health center (as defined in section 1861(aa)(4) of the Social Security Act);

"(ii) an individual or group practice; or

"(iii) another health care provider not described in clause (i) or (ii);

"(D) demonstrate significant financial need; and

"(E) provide matching funds in accordance with paragraph (5).

"(4) USE OF FUNDS.—Amounts received under a grant under this subsection shall be used to facilitate the purchase of qualified health information technology.

"(5) MATCHING REQUIREMENT.—To be eligible for a grant under this subsection an entity shall contribute non-Federal contributions to the costs of car-

rying out the activities for which the grant is awarded in an amount equal to $1 for each $3 of Federal funds provided under the grant.

''(6) PREFERENCE IN AWARDING GRANTS.—In awarding grants under this subsection the National Coordinator shall give preference to—

''(A) a small health care provider;

''(B) eligible entities that are located in rural, frontier, and other areas that serve uninsured, underinsured, and medically underserved individuals (regardless of whether such area is urban, rural, or frontier);

''(C) eligible entities that will link, to the extent practicable, to local or regional health information plan or plans; and

''(D) an entity described in paragraph (3)(C)(iii) that is a nonprofit health care provider.

''(7) ADDITIONAL SOURCES OF FUNDING FOR HEALTH INFORMATION TECHNOLOGY.—Funding made available under this subsection is in addition to funding which may be used toward the acquisition and utilization of health information technology under other law, which includes the following:

''(A) Medicaid transformation grants under section 1903(z) of the Social Security Act.

''(B) Grants or funding available through the Agency for Healthcare Research and Quality.

''(C) Grants or funding that may be available through the Health Resources and Services Administration for investment in health information technologies or telehealth.

''(D) Grants or funding that may be available through the Department of Agriculture's Rural Development Telecommunications Program for investment in telemedicine.

''(b) COMPETITIVE GRANTS TO STATES AND INDIAN TRIBES FOR THE DEVELOPMENT OF LOAN PROGRAMS TO FACILITATE THE WIDESPREAD ADOPTION OF QUALIFIED HEALTH INFORMATION TECHNOLOGY.—

''(1) IN GENERAL.—The National Coordinator may award competitive grants to eligible entities for the establishment of programs for loans to health care providers to purchase qualified health information technology.

''(2) ESTABLISHMENT OF FUND.—To be eligible to receive a competitive grant under this sub-

section, an eligible entity shall establish a qualified health information technology loan fund (referred to in this subsection as a 'Loan Fund') and comply with the other requirements contained in this section. A grant to an eligible entity under this subsection shall be deposited in the Loan Fund established by the eligible entity. No funds authorized by other provisions of this subtitle to be used for other purposes specified in this subtitle shall be deposited in any Loan Fund.

''(3) ELIGIBLE ENTITY DEFINED.—For purposes of this subsection, the term 'eligible entity' means a State or Indian tribe (as defined in the Indian Self-Determination and Education Assistance Act) that—

''(A) submits to the National Coordinator an application at such time, in such manner, and containing such information as the National Coordinator may require;

''(B) submits to the National Coordinator a strategic plan in accordance with paragraph (4);

''(C) establishes a Loan Fund in accordance with paragraph (2);

''(D) requires that health care providers receiving such loans—

''(i) link, to the extent practicable, to a local or regional health information network;

''(ii) consult with the Health Information Technology Resource Center established in section 914(d) to access the knowledge and experience of existing initiatives regarding the successful implementation and effective use of health information technology; and

''(iii) agree to notify patients if their individually identifiable health information is wrongfully disclosed in accordance with section 302 of the **[**short title**]**; and

''(iv) submit to the State or Indian tribe, respectively, a plan on how the State or Indian tribe, respectively, intends to maintain and support the qualified health information technology that would be purchased with such loans, including the type of resources expected to be involved and any such other information as the State or

Indian Tribe, respectively, may require; and

''(E) provides matching funds in accordance with paragraph (8).

''(4) STRATEGIC PLAN.—

''(A) IN GENERAL.—An eligible entity that receives a grant under this subsection shall annually prepare a strategic plan that identifies the intended uses of amounts available to the Loan Fund of the eligible entity.

''(B) CONTENTS.—A strategic plan under subparagraph (A), with respect to a Loan Fund of an eligible entity, shall include—

''(i) a list of the projects to be assisted through the Loan Fund in the first fiscal year that begins after the date on which the plan is submitted;

''(ii) a description of the criteria and methods established for the distribution of funds from the Loan Fund; and

''(iii) a description of the financial status of the Loan Fund and the short-term and long-term goals of the Loan Fund.

''(5) USE OF FUNDS.—

"(A) IN GENERAL.—Amounts deposited in a Loan Fund, including loan repayments and interest earned on such amounts, shall be used only for awarding loans or loan guarantees, or as a source of reserve and security for leveraged loans, the proceeds of which are deposited in the Loan Fund established under paragraph (1). Loans under this section may be used by a health care provider to purchase qualified health information technology.

"(B) LIMITATION.—Amounts received by an eligible entity under this subsection may not be used—

"(i) for the purchase or other acquisition of any health information technology system that is not a qualified health information technology;

"(ii) to conduct activities for which Federal funds are expended under this title; or

"(iii) for any purpose other than making loans to health care providers in accordance with this section.

"(6) TYPES OF ASSISTANCE.—Except as otherwise limited by applicable State law, amounts depos-

ited into a Loan Fund under this subsection may only be used for the following:

"(A) To award loans that comply with the following:

"(i) The interest rate for each loan shall be less than or equal to the market interest rate.

"(ii) The principal and interest payments on each loan shall commence not later than 1 year after the loan was awarded, and each loan shall be fully amortized not later than 10 years after the date of the loan.

"(iii) The Loan Fund shall be credited with all payments of principal and interest on each loan awarded from the Loan Fund.

"(B) To guarantee, or purchase insurance for, a local obligation (all of the proceeds of which finance a project eligible for assistance under this subsection) if the guarantee or purchase would improve credit market access or reduce the interest rate applicable to the obligation involved.

"(C) As a source of revenue or security for the payment of principal and interest on revenue or general obligation bonds issued by the eligible entity if the proceeds of the sale of the bonds will be deposited into the Loan Fund.

"(D) To earn interest on the amounts deposited into the Loan Fund.

"(7) ADMINISTRATION OF LOAN FUNDS.—

"(A) COMBINED FINANCIAL ADMINISTRATION.—An eligible entity may (as a convenience and to avoid unnecessary administrative costs) combine, in accordance with applicable State law, the financial administration of a Loan Fund established under this subsection with the financial administration of any other revolving fund established by the entity if otherwise not prohibited by the law under which the Loan Fund was established.

"(B) COST OF ADMINISTERING FUND.—Each eligible entity may annually use not to exceed 4 percent of the funds provided to the entity under a grant under this subsection to pay the reasonable costs of the administration of the programs under this section, including the recovery of reasonable costs expended to estab-

lish a Loan Fund which are incurred after the date of the enactment of this title.

''(C) GUIDANCE AND REGULATIONS.—The National Coordinator shall publish guidance and promulgate regulations as may be necessary to carry out the provisions of this subsection, including—

''(i) provisions to ensure that each eligible entity commits and expends funds allotted to the entity under this subsection as efficiently as possible in accordance with this title and applicable State laws; and

''(ii) guidance to prevent waste, fraud, and abuse.

''(D) PRIVATE SECTOR CONTRIBUTIONS.—

''(i) IN GENERAL.—A Loan Fund established under this subsection may accept contributions from private sector entities, except that such entities may not specify the recipient or recipients of any loan issued under this subsection.

''(ii) AVAILABILITY OF INFORMATION.—An eligible entity shall make publicly available the identity of, and amount contributed by, any private sector entity

under clause (i) and may issue letters of commendation or make other awards (that have no financial value) to any such entity.

''(8) MATCHING REQUIREMENTS.—

''(A) IN GENERAL.—The National Coordinator may not make a grant under paragraph (1) to an eligible entity unless the entity agrees to make available (directly or through donations from public or private entities) non-Federal contributions in cash toward the costs of the program to be implemented under the grant in an amount equal to not less than $1 for each $1 of Federal funds provided under the grant.

''(B) DETERMINATION OF AMOUNT OF NON-FEDERAL CONTRIBUTION.—In determining the amount of non-Federal contributions that an eligible entity has provided pursuant to subparagraph (A), the National Coordinator may not include any amounts provided to the entity by the Federal Government.

''(9) REPORTS.—The National Coordinator shall annually submit to the Committee on Health, Education, Labor, and Pensions and the Committee on Finance of the Senate, and the Committee on Energy and Commerce of the House of Representa-

tives, a report summarizing the reports received by the National Coordinator from each eligible entity that receives a grant under this subsection.

''(c) COMPETITIVE GRANTS FOR THE IMPLEMENTATION OF REGIONAL OR LOCAL HEALTH INFORMATION TECHNOLOGY PLANS.—

''(1) IN GENERAL.—The National Coordinator may award competitive grants to eligible entities to implement regional or local health information plans to improve health care quality and efficiency through the electronic exchange and use of health information.

''(2) ELIGIBILITY.—To be eligible to receive a grant under paragraph (1) an entity shall—

''(A) facilitate the electronic exchange and use of health information within the local or regional area and among local and regional areas;

''(B) demonstrate financial need to the National Coordinator;

''(C) demonstrate that one of its principal missions or purposes is to use information technology to improve health care quality and efficiency;

''(D) adopt bylaws, memoranda of understanding, or other charter documents that dem-

onstrate that the governance structure and decisionmaking processes of such entity allow for participation on an ongoing basis by multiple stakeholders within a community, including—

"(i) physicians (as defined in section 1861(r) of the Social Security Act), including physicians that provide services to low income populations and populations that are uninsured, underinsured, and medically underserved (including such populations in urban and rural areas);

"(ii) hospitals (including hospitals that provide services to low income and underserved populations);

"(iii) pharmacists or pharmacies;

"(iv) health insurance plans;

"(v) health centers (as defined in section 330(b)) and Federally qualified health centers (as defined in section 1861(aa)(4) of the Social Security Act);

"(vi) rural health clinics (as defined in section 1861(aa) of the Social Security Act);

"(vii) patient or consumer organizations;

"(viii) employers;

"(ix) public health agencies; and

"(x) any other health care providers or other entities, as determined appropriate by the National Coordinator;

"(E) demonstrate the participation, to the extent practicable, of stakeholders in the electronic exchange and use of health information within the local or regional health information plan pursuant to subparagraph (D);

"(F) adopt nondiscrimination and conflict of interest policies that demonstrate a commitment to open, fair, and nondiscriminatory participation in the regional or local health information plan by all stakeholders;

"(G) comply with applicable standards and implementation specifications adopted under this title;

"(H) prepare and submit to the National Coordinator an application in accordance with paragraph (3); and

"(I) agree to provide matching funds in accordance with paragraph (5).

"(3) APPLICATION.—

"(A) IN GENERAL.—To be eligible to receive a grant under paragraph (1), an entity shall submit to the National Coordinator an application at such time, in such manner, and containing such information (in addition to information required under subparagraph (B), as the National Coordinator may require.

"(B) REQUIRED INFORMATION.—At a minimum, an application submitted under this paragraph shall include—

"(i) clearly identified short-term and long-term objectives of the regional or local health information plan;

"(ii) a descriptive and reasoned estimate of costs of the hardware, software, training, and other services necessary to implement the regional or local health information plan;

"(iii) a strategy that includes initiatives to improve health care quality and efficiency;

"(iv) a plan that describes provisions to encourage the electronic exchange and use of health information by all physicians, including single physician practices and

small physician groups participating in the health information plan;

''(v) a plan to ensure the privacy and security of individually identifiable health information that is consistent with applicable Federal and State law;

''(vi) a governance plan that defines the manner in which the stakeholders shall jointly make policy and operational decisions on an ongoing basis;

''(vii) a financial or business plan that describes—

''(I) the sustainability of the plan;

''(II) the financial costs and benefits of the plan; and

''(III) the entities to which such costs and benefits will accrue;

''(viii) a plan on how the entity involved intends to maintain and support the regional or local health information plan, including the type of resources expected to be involved; and

''(ix) in the case of an applicant entity that is unable to demonstrate the partici-

pation of all stakeholders pursuant to paragraph (2)(C), the justification from the entity for any such nonparticipation.

''(4) USE OF FUNDS.—Amounts received under a grant under paragraph (1) shall be used to establish and implement a regional or local health information plan in accordance with this subsection.

''(5) PREFERENCE.—In awarding grants under paragraph (1), the Secretary shall give preference to eligible entities that intend to use amounts received under a grant to establish or implement a regional or local health information plan that encompasses communities with health disparities or areas that serve uninsured, underinsured, and medically underserved individuals (including urban and rural areas).

''(6) MATCHING REQUIREMENT.—

''(A) IN GENERAL.—The National Coordinator may not make a grant under this subsection to an entity unless the entity agrees that, with respect to the costs to be incurred by the entity in carrying out the infrastructure program for which the grant was awarded, the entity will make available (directly or through donations from public or private entities) non-Federal contributions toward such costs in an

amount equal to not less than 50 percent of such costs ($1 for each $2 of Federal funds provided under the grant).

''(B) DETERMINATION OF AMOUNT CONTRIBUTED.—Non-Federal contributions required under subparagraph (A) may be in cash or in kind, fairly evaluated, including equipment, technology, or services. Amounts provided by the Federal Government, or services assisted or subsidized to any significant extent by the Federal Government, may not be included in determining the amount of such non-Federal contributions.

''(d) REPORTS.—Not later than 1 year after the date on which the first grant is awarded under this section, and annually thereafter during the grant period, an entity that receives a grant under this section shall submit to the National Coordinator a report on the activities carried out under the grant involved. Each such report shall include—

''(1) a description of the financial costs and benefits of the project involved and of the entities to which such costs and benefits accrue;

''(2) an analysis of the impact of the project on health care quality and safety;

''(3) a description of any reduction in duplicative or unnecessary care as a result of the project involved;

''(4) a description of the efforts of recipients under this section to facilitate secure patient access to health information; and

''(5) other information as required by the National Coordinator.

''(e) REQUIREMENT TO IMPROVE QUALITY OF CARE AND DECREASE IN COSTS.—The National Coordinator shall annually evaluate the activities conducted under this section and shall, in awarding grants, implement the lessons learned from such evaluation in a manner so that awards made subsequent to each such evaluation are made in a manner that, in the determination of the National Coordinator, will result in the greatest improvement in quality of care and decrease in costs.

''(f) LIMITATION.—An eligible entity may only receive one non-renewable grant under subsection (a), one non-renewable grant under subsection (b), and one non-renewable grant under subsection (c).

''(g) SMALL HEALTH CARE PROVIDER.—For purposes of this section, the term 'small health care provider' means a health care provider that has an average of 10

or fewer full-time equivalent employees during the period involved.

''(h) AUTHORIZATION OF APPROPRIATIONS.—

''(1) IN GENERAL.—For the purpose of carrying out subsections (a) through (d), there is authorized to be appropriated such sums as may be necessary for each of the fiscal years 2009 through 2013.

''(2) AVAILABILITY.—Amounts appropriated under paragraph (1) shall remain available through fiscal year 2013.

**''SEC. 3012. DEMONSTRATION PROGRAM TO INTEGRATE INFORMATION TECHNOLOGY INTO CLINICAL EDUCATION.**

''(a) IN GENERAL.—The Secretary may award grants under this section to carry out demonstration projects to develop academic curricula integrating qualified health information technology in the clinical education of health professionals. Such awards shall be made on a competitive basis and pursuant to peer review.

''(b) ELIGIBILITY.—To be eligible to receive a grant under subsection (a), an entity shall—

''(1) submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require;

''(2) submit to the Secretary a strategic plan for integrating qualified health information technology in the clinical education of health professionals to reduce medical errors and enhance health care quality;

''(3) be—

''(A) a health professions school;

''(B) a school of nursing; or

''(C) an institution with a graduate medical education program;

''(4) provide for the collection of data regarding the effectiveness of the demonstration project to be funded under the grant in improving the safety of patients, the efficiency of health care delivery, and in increasing the likelihood that graduates of the grantee will adopt and incorporate qualified health information technology, in the delivery of health care services; and

''(5) provide matching funds in accordance with subsection (c).

''(c) USE OF FUNDS.—

''(1) IN GENERAL.—With respect to a grant under subsection (a), an eligible entity shall—

''(A) use grant funds in collaboration with 2 or more disciplines; and

''(B) use grant funds to integrate qualified health information technology into community-based clinical education.

''(2) LIMITATION.—An eligible entity shall not use amounts received under a grant under subsection (a) to purchase hardware, software, or services.

''(d) MATCHING FUNDS.—

''(1) IN GENERAL.—The Secretary may award a grant to an entity under this section only if the entity agrees to make available non-Federal contributions toward the costs of the program to be funded under the grant in an amount that is not less than $1 for each $2 of Federal funds provided under the grant.

''(2) DETERMINATION OF AMOUNT CONTRIBUTED.—Non-Federal contributions under paragraph (1) may be in cash or in kind, fairly evaluated, including equipment or services. Amounts provided by the Federal Government, or services assisted or subsidized to any significant extent by the Federal Government, may not be included in determining the amount of such contributions.

''(e) EVALUATION.—The Secretary shall take such action as may be necessary to evaluate the projects funded

under this section and publish, make available, and disseminate the results of such evaluations on as wide a basis as is practicable.

''(f) REPORTS.—Not later than 1 year after the date of enactment of this title, and annually thereafter, the Secretary shall submit to the Committee on Health, Education, Labor, and Pensions and the Committee on Finance of the Senate, and the Committee on Energy and Commerce of the House of Representatives a report that—

''(1) describes the specific projects established under this section; and

''(2) contains recommendations for Congress based on the evaluation conducted under subsection (e).

''(g) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to carry out this section, such sums as may be necessary for each of fiscal years 2009 through 2011.

''(h) SUNSET.—This section shall not apply after September 30, 2011.''.

# TITLE II—TESTING OF HEALTH INFORMATION TECHNOLOGY

## SEC. 201. NATIONAL INSTITUTE FOR STANDARDS AND TECHNOLOGY TESTING.

(a) PILOT TESTING OF STANDARDS AND IMPLEMENTATION SPECIFICATIONS.—In coordination with the HIT Standards Committee established under section 3003 of the Public Health Service Act, as added by section 101, with respect to the development of standards and implementation specifications under such section, the Director of the National Institute for Standards and Technology shall test such standards and specifications in order to assure the efficient implementation and use of such standards and specifications.

(b) VOLUNTARY TESTING PROGRAM.—In coordination with the HIT Standards Committee established under section 3003 of the Public Health Service Act, as added by section 101, with respect to the development of standards and implementation specifications under such section, the Director of the National Institute of Standards and Technology shall support the establishment of a conformance testing infrastructure, including the development of technical test beds. The development of this conformance testing infrastructure may include a program to

accredit independent, non-federal laboratories to perform testing.

**SEC. 202. RESEARCH AND DEVELOPMENT PROGRAMS.**

(a) HEALTH CARE INFORMATION ENTERPRISE INTEGRATION RESEARCH CENTERS.—

(1) IN GENERAL.—The Director of the National Institute of Standards and Technology, in consultation the Director of the National Science Foundation and other appropriate Federal agencies, shall establish a program of assistance to institutions of higher education (or consortia thereof which may include nonprofit entities and Federal Government laboratories) to establish multidisciplinary Centers for Health Care Information Enterprise Integration.

(2) REVIEW; COMPETITION.—Grants shall be awarded under this subsection on a merit-reviewed, competitive basis.

(3) PURPOSE.—The purposes of the Centers described in paragraph (1) shall be—

(A) to generate innovative approaches to health care information enterprise integration by conducting cutting-edge, multidisciplinary research on the systems challenges to health care delivery; and

(B) the development and use of health information technologies and other complementary fields.

(4) RESEARCH AREAS.—Research areas may include—

(A) interfaces between human information and communications technology systems;

(B) voice-recognition systems;

(C) software that improves interoperability and connectivity among health information systems;

(D) software dependability in systems critical to health care delivery;

(E) measurement of the impact of information technologies on the quality and productivity of health care;

(F) health information enterprise management; and

(G) health information technology security and integrity.

(5) APPLICATIONS.—An institution of higher education (or a consortium thereof) seeking funding under this subsection shall submit an application to the Director of the National Institute of Standards and Technology at such time, in such manner, and

containing such information as the Director may require. The application shall include, at a minimum, a description of—

(A) the research projects that will be undertaken by the Center established pursuant to assistance under paragraph (1) and the respective contributions of the participating entities;

(B) how the Center will promote active collaboration among scientists and engineers from different disciplines, such as information technology, biologic sciences, management, social sciences, and other appropriate disciplines;

(C) technology transfer activities to demonstrate and diffuse the research results, technologies, and knowledge; and

(D) how the Center will contribute to the education and training of researchers and other professionals in fields relevant to health information enterprise integration.

(b) NATIONAL INFORMATION TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.—The National High-Performance Computing Program established by section 101 of the High-Performance Computing Act of 1991 (15 U.S.C. 5511) shall coordinate Federal research and development programs related to the development and

deployment of health information technology, including activities related to—

(1) computer infrastructure;

(2) data security;

(3) development of large-scale, distributed, reliable computing systems;

(4) wired, wireless, and hybrid high-speed networking;

(5) development of software and software-intensive systems;

(6) human-computer interaction and information management technologies; and

(7) the social and economic implications of information technology.

# TITLE III—PRIVACY AND SECURITY PROVISIONS

**SEC. 300. DEFINITIONS.**

In this title, except as specified otherwise:

(1) BREACH.—The term ''breach'' means the unauthorized acquisition, disclosure, or loss of protected health information which compromises the security, privacy, or integrity of protected health information maintained by or on behalf of a person.

(2) BUSINESS ASSOCIATE.—The term ''business associate'' has the meaning given such term in sec-

tion 160.103 of title 45, Code of Federal Regulations.

(3) COVERED ENTITY.—The term ''covered entity'' has the meaning given such term in section 160.103 of title 45, Code of Federal Regulations.

(4) DISCLOSE.—The terms ''disclose'' and ''disclosure'' have the meaning given the term ''disclosure'' in section 160.103 of title 45, Code of Federal Regulations.

(5) ENCRYPTION.—The term ''encryption'' has the meaning given such term in section 164.304 of title 45, Code of Federal Regulations.

(6) HEALTH CARE OPERATIONS.—The term ''health care operation'' has the meaning given such term in section 164.501 of title 45, Code of Federal Regulations.

(7) HEALTH CARE PROVIDER.—The term ''health care provider'' has the meaning given such term in section 160.103 of title 45, Code of Federal Regulations.

(8) PERSONAL HEALTH RECORD.—The term ''personal health record'' means an electronic, cumulative record of health-related information on an individual that is drawn from multiple sources and

that is created, gathered, and managed by the individual.

(9) PROTECTED HEALTH INFORMATION.—The term ''protected health information'' has the meaning given such term under section 160.103 of title 45, Code of Federal Regulations.

(10) SECRETARY.—The term ''Secretary'' means the Secretary of Health and Human Services.

(11) SECURITY.—The term ''security'' has the meaning given such term in section 164.304 of title 45, Code of Federal Regulations.

(12) STATE.—The term ''State'' means each of the several States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

(13) USE.—The term ''use'' has the meaning given such term in section 160.103 of title 45, Code of Federal Regulations.

(14) VENDOR OF PERSONAL HEALTH RECORDS.—The term ''vendor'' means an entity that offers or maintains a personal health record.

# Subtitle A—Security Provisions

**SEC. 301. APPLICATION OF SECURITY PROVISIONS AND PENALTIES TO BUSINESS ASSOCIATES OF COVERED ENTITIES; ANNUAL GUIDANCE ON SECURITY PROVISIONS.**

(a) APPLICATION OF SECURITY PROVISIONS.—Sections 164.308, 164.310, and 164.312 of title 45, Code of Federal Regulations, shall apply to a business associate of a covered entity in the same manner that such sections apply to the covered entity.

(b) APPLICATION OF CIVIL AND CRIMINAL PENALTIES.—Sections 1176 and 1177 of the Social Security Act shall apply to a business associate of a covered entity with respect to a section applied under subsection (a) to such business associate in the same manner that such sections apply to a covered entity with respect to such section.

(c) ANNUAL GUIDANCE.—For the first year beginning after the date of the enactment of this Act and annually thereafter, the Secretary of Health and Human Services shall annually issue guidance on the latest safeguard technologies for use in carrying out the sections described in subsection (a).

**SEC. 302. NOTIFICATION IN THE CASE OF BREACH.**

(a) IN GENERAL.—A covered entity that accesses, maintains, retains, modifies, records, stores, destroys, or

otherwise holds, uses, or discloses protected health information shall, in the case of a breach of such information that is discovered by the covered entity, notify each individual whose protected health information has been, or is reasonably believed by the covered entity to have been, accessed or acquired as a result of such breach if the unauthorized use of such information could reasonably result in substantial harm, embarrassment, inconvenience, or unfairness to the individual.

(b) NOTIFICATION OF COVERED ENTITY BY BUSINESS ASSOCIATE.—A business associate of a covered entity that accesses, maintains, retains, modifies, records, stores, destroys, or otherwise holds, uses, or discloses protected health information shall, following the discovery of a breach of such information, notify the covered entity of such breach. Such notice shall include the identification of each individual whose protected health information has been, or is reasonably believed to have been, accessed or acquired during such breach.

(c) BREACHES TREATED AS DISCOVERED.—For purposes of this section, a breach shall be treated as discovered by a covered entity or by a business associate as of the first day on which such breach is known to such entity or associate, respectively, (including any person that is an employee, officer, or other agent of such entity or asso-

ciate, respectively) or should reasonably have been known to such entity or associate (or person) to have occurred.

(d) TIMELINESS OF NOTIFICATION.—

(1) IN GENERAL.—All notifications required under this section shall be made not later than 15 business days, or earlier if the Secretary determines appropriate, after the discovery of a breach by the covered entity involved (or business associate involved in the case of a notification required under subsection (b)).

(2) BURDEN OF PROOF.—The covered entity involved (or business associate involved in the case of a notification required under subsection (b)), shall have the burden of demonstrating that all notifications were made as required under this subtitle, including evidence demonstrating the necessity of any delay.

(e) METHODS OF NOTICE.—

(1) INDIVIDUAL NOTICE.—Notice required under this section to be provided to an individual, with respect to a breach, shall be provided promptly and in the following form:

(A) Written notification by first-class mail to the individual (or the next of kin of the individual if the individual is deceased) at the last

known address of the individual or the next of kin, respectively. The notification may be sent in one or more mailings as information is available.

(B) In the case where there is insufficient, or out-of-date contact information that precludes direct written notification to the individual, a substitute form of notice shall be provided, including a conspicuous posting on the home page of the Web site of the covered entity involved and notice in major print and broadcast media, including major media in geographic areas where the individuals affected by the breach likely reside. Such a notice in media will include a toll-free phone number where an individual can learn whether or not the individual's protected health information is possibly included in the breach.

(C) In any case deemed by the covered entity involved to require urgency because of possible imminent misuse of protected health information, the covered entity, in addition to notice provided under subparagraph (A), may provide information to individuals by telephone or other means, as appropriate.

(2) MEDIA NOTICE.—Notice shall be provided to prominent media outlets serving a State or jurisdiction, following the discovery of a breach described in subsection (a), if the protected health information of more than 500 residents of such State or jurisdiction is, or is reasonably believed to have been, accessed or acquired during such breach.

(3) NOTICE TO SECRETARY.—Notice shall be provided to the Secretary by covered entities or business associates of protected health information that has been lost, stolen, disclosed, or used in a breach.

(f) CONTENT OF NOTIFICATION.—Regardless of the method by which notice is provided to individuals under this section, notice of a breach shall include, to the extent possible, the following:

(1) A brief description of what happened, including the date of the breach and the date of the discovery of the breach, if known.

(2) A description of the types of protected health information that were involved in the breach (such as full name, Social Security number, date of birth, home address, account number, or disability code).

(3) A statement whether the information involved in the breach used encryption or was pro-

tected by another manner of safeguard, if it is determined that the disclosure of the manner of the safeguard would be beneficial and would not compromise the security of the health information technology involved.

(4) The steps individuals should take to protect themselves from potential harm resulting from the breach.

(5) A brief description of what the covered entity involved is doing to investigate the breach, to mitigate losses, and to protect against any further breaches.

(6) Contact procedures for individuals to ask questions or learn additional information, which shall include a toll-free telephone number, an e-mail address, Web site, or postal address.

(g) DELAY OF NOTIFICATION AUTHORIZED FOR LAW ENFORCEMENT PURPOSES.—If a law enforcement official determines that the notification required under this section would impede a criminal investigation or cause damage to national security, such notification shall be delayed in the same manner as provided under section 164.528(a)(2) of title 45, Code of Federal Regulations, in the case of a disclosure covered under such section.

**SEC. 303. EDUCATION ON HEALTH INFORMATION PRIVACY AND REPORT ON COMPLIANCE.**

(a) REGIONAL OFFICE PRIVACY ADVISORS.—Not later than 6 months after the date of the enactment of this Act, the Secretary shall designate an individual in each regional office of the Department of Health and Human Services to offer guidance and education to covered entities, business associates, and the public on their rights and responsibilities related to Federal privacy requirements for protected health information.

(b) REPORT ON COMPLIANCE.—

(1) IN GENERAL.—For the first year beginning after the date of the enactment of this Act and annually thereafter, the Secretary of Health and Human Services shall prepare and submit to Congress a report concerning complaints of alleged violations of the provisions of sections 301 and 302, the provisions of subtitle B, and the provisions of subparts C and E of title 45, Code of Federal Regulations that are received by the Secretary during the year for which the report is being prepared. Each such report shall include, with respect to such complaints received during the year—

(A) the number of such complaints;

(B) the resolution or disposition of each such request;

(C) the amount of civil money penalties imposed with respect to each such request, as applicable;

(D) the number of compliance reviews conducted and the outcome of each such review;

(E) the number of subpoenas or inquiries issued; and

(F) the Secretary's plan for improving compliance with and enforcement of such provisions for the following year.

(2) AVAILABILITY TO PUBLIC.—Each report under paragraph (1) shall be made available to the public on the Internet website of the Department of Health and Human Services.

(c) EDUCATION INITIATIVE ON USES OF HEALTH INFORMATION.—

(1) IN GENERAL.—The Office for Civil Rights within the Department of Health and Human Services shall develop and maintain a multi-faceted national education initiative to enhance public transparency regarding the uses of health information, including programs to educate individuals about the potential uses of their health information and effects of such uses. Such programs shall be conducted in

a variety of languages and present information in a clear and understandable manner.

(2) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to carry out paragraph (1), $10,000,000 for the period of fiscal years 2009 through 2013.

# Subtitle B—Improved Privacy Provisions

### SEC. 311. APPLICATION OF PENALTIES TO BUSINESS ASSOCIATES OF COVERED ENTITIES FOR VIOLATIONS OF PRIVACY CONTRACT REQUIREMENTS.

(a) APPLICATION OF CONTRACT REQUIREMENTS.—In the case of a business associate of a covered entity that obtains or creates protected health information pursuant to a written contract (or other written arrangement) described in section 164.502(e)(2) of title 45, Code of Federal Regulations, with such covered entity, the business associate may use and disclose such protected health information only if such use or disclosure, respectively, is in compliance with the terms of such contract (or other arrangement), including each applicable requirement of section 164.504(e) of such title.

(b) APPLICATION OF KNOWLEDGE ELEMENTS ASSOCIATED WITH CONTRACTS.—Section 164.504(e)(1)(ii) of

title 45, Code of Federal Regulations, shall apply to a business associate described in subsection (a), with respect to compliance with such subsection, in the same manner that such section applies to a covered entity, with respect to compliance with the standards in sections 164.502(e) and 164.504(e) of such title, except that in applying such section 164.504(e)(1)(ii) each reference to the business associate, with respect to a contract, shall be treated as a reference to the covered entity involved in such contract.

(c) APPLICATION OF CIVIL AND CRIMINAL PENALTIES.—If a business associate violates any provision of subsection (a) or (b), the provisions of sections 1176 and 1177 of the Social Security Act shall apply to the business associate in the same manner that such provisions apply to a person who violates a provision of part C of title XI of such Act.

**SEC. 312 REQUESTED RESTRICTIONS ON CERTAIN DISCLOSURES OF HEALTH INFORMATION; ACCOUNTING OF CERTAIN PROTECTED HEALTH INFORMATION DISCLOSURES.**

(a) REQUESTED RESTRICTIONS ON CERTAIN DISCLOSURES OF HEALTH INFORMATION.—In the case that an individual requests under paragraph (a)(1)(i)(A) of section 164.522 of title 45, Code of Federal Regulations, that a covered entity restrict the disclosure of the pro-

tected health information of the individual, notwithstanding paragraph (a)(1)(ii) of such section, the covered entity must comply with the requested restriction if—

(1) the disclosure is to a health plan for purposes of carrying out payment (and is not for purposes of carrying out treatment or health care operations); and

(2) the protected health information pertains solely to a health care item or service for which the health care provider involved has been paid out of pocket.

(b) DISCLOSURES REQUIRED TO BE LIMITED TO THE LIMITED DATA SET OR THE MINIMUM NECESSARY.—

(1) IN GENERAL.—A covered entity shall be in compliance with section 164.502(b)(1) of title 45, Code of Federal Regulations, with respect to the use, disclosure, or request of protected health information described in such section, only if the covered entity makes reasonable efforts to limit such protected health information to the limited data set (as defined in section 164.514(e)(2) of such title) or, if needed, to the minimum necessary to accomplish the intended purpose of such use, disclosure, or request, respectively.

(2) APPLICATION OF EXCEPTIONS.—The exceptions described in section 164.502(b)(2) of title 45, Code of Federal Regulations, shall apply to the requirement under paragraph (1) as of the effective date described in section 322 in the same manner that such exceptions apply to section 164.502(b)(1) before such date.

(c) ACCOUNTING OF CERTAIN PROTECTED HEALTH INFORMATION DISCLOSURES REQUIRED IF COVERED ENTITY USES ELECTRONIC MEDICAL RECORD.—

(1) IN GENERAL.—In the case that a covered entity uses or maintains an electronic medical record with respect to protected health information, the exception under section 164.528(a)(1)(i) of title 45, Code of Federal Regulations, shall not apply to disclosures made by such entity of such information.

(2) ELECTRONIC MEDICAL RECORD DEFINED.—For purposes of paragraph (1), the term ''electronic medical record'' means an electronic record of health-related information on an individual that is created, gathered, managed, and consulted by licensed clinicians and staff who are from a single organization and who are involved in the heath care of the individual.

**SEC. 313. CONDITIONS ON CERTAIN CONTACTS AS PART OF HEALTH CARE OPERATIONS.**

(a) IN GENERAL.—A communication by a covered entity or business associate that is about a health care item or service and that encourages recipients of the communication to purchase or use the product or service shall not be considered a health care operation for purposes of subpart E of part 164 of title 45, Code of Federal Regulations, unless the communication is made as described in subparagraph (i), (ii), or (iii) of paragraph (1) of the definition of marketing in section 164.501 of such title.

(b) EFFECTIVE DATE.—Subsection (a) shall apply to contracting occurring on or after the effective date specified under section 322.

**SEC. 314. STUDY ON APPLICATION OF PRIVACY AND SECURITY REQUIREMENTS TO VENDORS OF PERSONAL HEALTH RECORDS.**

Not later than one year after the date of the enactment of this Act, the Secretary of Health and Human Services, in consultation with the Federal Trade Commission, shall submit to Congress recommendations—

(1) to identify requirements relating to security, privacy, and notification in the case of a breach of security or privacy, that should be applied to vendors of personal health records with respect to infor-

mation in a personal health record offered or maintained by such vendor; and

(2) to determine which Federal government agency is best equipped to enforce such requirements recommended to be applied to such vendors of personal health records.

**SEC. 315. TEMPORARY BREACH NOTIFICATION REQUIREMENT FOR VENDORS OF PERSONAL HEALTH RECORDS.**

(a) IN GENERAL.—In accordance with subsection (b), each vendor of personal health records shall, following the discovery of a breach of security of individually identifiable health information in such records maintained or offered by such vendor—

(1) notify each individual who is a citizen or resident of the United States whose individually identifiable health information was acquired by an unauthorized person as a result of such a breach of security; and

(2) notify the Federal Trade Commission.

(b) APPLICATION OF REQUIREMENTS FOR TIMELINESS, METHOD, AND CONTENT OF NOTIFICATIONS.—Subsections (c), (d), (e), and (f) of section 302 shall apply to a notification required under subsection (a) and a vendor of personal health records, with respect to a breach

of security under such subsection (a) of individually identifiable health information in such records maintained or offered by such vendor, in the same manner that such subsections apply to a notification required under such section and a covered entity, with respect to a breach under such section of protected health information held, used, or disclosed by such covered entity.

(c) NOTIFICATION OF THE SECRETARY OF HEALTH AND HUMAN SERVICES.—Upon receipt of a notification of a breach of security under subsection (a)(2), the Federal Trade Commission shall notify the Secretary of Health and Human Services of such breach.

(d) ENFORCEMENT.—A violation of subsection (a) shall be treated as an unfair and deceptive act or practice in violation of a regulation under section 18(a)(1)(B) of the Federal Trade Commission Act (15 U.S.C. 57*a*(a)(1)(B)) regarding unfair or deceptive acts or practices.

(e) EXEMPTION.—

(1) GENERAL EXEMPTION.—A vendor of personal health records shall be exempt from the requirement under subsection (a) if, following a breach of security, with respect to the individually identifiable health information of an individual in a personal health record, such vendor reasonably deter-

mines that there is no reasonable risk of substantial harm, embarassment, inconvenience, or unfairness to the individual pursuant to such breach.

(2) PRESUMPTION OF NO REASONABLE RISK IN CASES OF ENCRYPTION.—For purposes of paragraph (1), the encryption of individually identifiable health information of an individual in a personal health record shall establish a presumption that no reasonable risk of substantial harm, embarassment, inconvenience, or unfairness to the individual exists pursuant to a breach of security of such record. Any such presumption may be rebutted by facts demonstrating that the encryption has been or is reasonably likely to be compromised.

(3) FTC GUIDANCE.—Not later than 1 year after the date of the enactment of this Act, the Federal Trade Commission shall issue guidance regarding the application of the exemption in paragraph (1).

(f) DEFINITIONS.—For purposes of this section:

(1) BREACH OF SECURITY.—The term ''breach of security'' means, with respect to individually identifiable health information of an individual in a personal health record, acquisition of such information without the authorization of the individual.

(2) INDIVIDUALLY IDENTIFIABLE HEALTH INFORMATION.—The term ''individually identifiable health information'' has the meaning given such term in section 1171(6) of the Social Security Act (42 U.S.C. 1320d(6)).

(g) EFFECTIVE DATE.—The provisions of this section shall apply to breaches of security occurring during the 2-year period beginning on the date of the enactment of this Act.

**SEC. 316. BUSINESS ASSOCIATE CONTRACTS REQUIRED FOR CERTAIN ENTITIES.**

Each organization, with respect to a covered entity, that provides data transmission of protected health information to such entity and that requires access on a routine basis to such protected health information, such as a Health Information Exchange, Regional Health Information Organization, or E-prescribing Gateway, is required to enter into a written contract (or other written arrangement) described in section 164.502(e)(2) of title 45, Code of Federal Regulations, with such entity and shall be treated as a business associate of the covered entity for purposes of section 111.

**SEC. 317. GUIDANCE ON IMPLEMENTATION SPECIFICATION TO DE-IDENTIFY PROTECTED HEALTH INFORMATION.**

Not later than 6 months after the date of the enactment of this Act, the Secretary of Health and Human Services shall issue guidance on how to best implement the requirements for the de-identification of protected health information under section 164.514(b) of title 45, Code of Federal Regulations.

**SEC. 318. GAO REPORT ON TREATMENT DISCLOSURES.**

Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to Congress a report on the best practices related to the disclosure among health care providers of protected health information of an individual for purposes of treatment of such individual. Such report shall include an examination of the best practices implemented by States and by other entities, such as health information exchanges and regional health information organizations, including an examination of the extent to which such best practices are successful with respect to the quality of the resulting health care provided to the individual and with respect to the ability of the health care provider to manage such best practices.

# Subtitle C—Relationship to Other Laws; Effective Date

**SEC. 321. RELATIONSHIP TO OTHER LAWS.**

(a) APPLICATION OF HIPAA STATE PREEMPTION.—Section 1178 of the Social Security Act (42 U.S.C. 1320d-7) shall apply to a provision or requirement under this title in the same manner that such section applies to a provision or requirement under part C of title XI of such Act.

(b) HEALTH INSURANCE PORTABILITY AND ACCOUNTABILITY ACT.—The standards governing the privacy and security of individually identifiable health information promulgated by the Secretary of Health and Human Services under sections 262(a) and 264 of the Health Insurance Portability and Accountability Act of 1996 shall remain in effect to the extent that they are consistent with this title. The Secretary shall by rule amend such Federal regulations as required to make such regulations consistent with this title.

**SEC. 322. EFFECTIVE DATE.**

The provisions of this title (other than sections 301(c), 303, 314, 315, 317, and 318) shall take effect on the date that is 12 months after the date of the enactment of this Act.